



Low-cost Reference Design Kit enables faster time to market for Ultra Value Clients (UVCs)

Complete solution combines x86 architecture, multi OS support, and low-power features

Product overview

The AMD Geode™ LX UVC Reference Design Kit (RDK) brings together small form factor design, x86 application compatibility, high processor performance, and low power consumption to create a complete product development solution that lets you create Ultra Value Client (UVC) products quickly and efficiently.

The AMD Geode LX UVC Reference Design Kit, based on fifth-generation RDK technology, provides a complete system design package that gives designers flexibility, versatility, and enhanced capabilities when designing a UVC or Single Board Computer all in a small package measuring approximately 5.5" x 5". The RDK is driven by an AMD Geode LX 800@0.9W processor* that delivers the flexibility of the x86 instruction set with the power to run current operating systems. The processor is complemented by the AMD Geode CS5536 companion chip, which provides general I/O support, including USB 2.0, audio, and ATA 100.

Overall, the AMD Geode LX UVC RDK gives you a viable "make vs. buy" scenario that gets you to market quickly with short product development cycle times and highly efficient designs.

Ideal for high-growth x86 markets

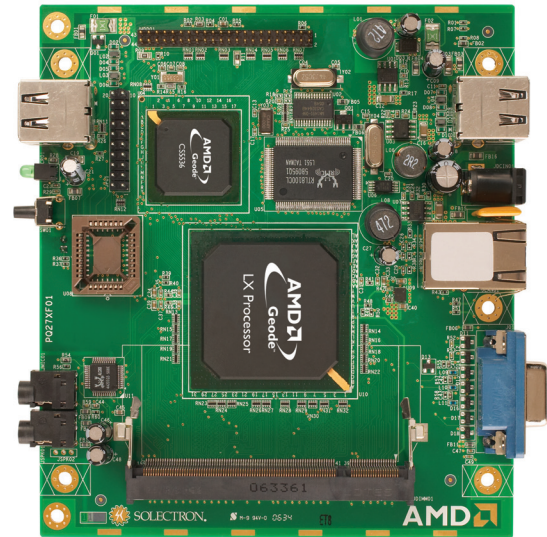
The AMD Geode LX UVC RDK is an optimal solution for all markets desiring a small form factor and a low-power x86 single board solution at a low entry price point. Potential markets include:

- Ultra Value Clients (UVCs)
- Single Board Computers (SBCs)
- Point-of-Sale (POS) Devices
- Corporate Thin Clients
- Network Appliances
- Kiosks
- Many others

*The AMD Geode LX 800@0.9W processor operates at 500MHz. Model numbers reflect performance as described here:

<http://www.amd.com/connectivitysolutions/geodelxbenchmark>

AMD Geode™ LX Processor Family



High performance with low power

The AMD Geode LX UVC RDK delivers high performance via its onboard AMD Geode LX 800@0.9W processor. Because a heat sink is not required, designers can create small form factor designs with less stringent thermal management requirements. Cooler operation ultimately means lower power consumption.

x86 everywhere: Changing the way developers think about application design

AMD's commitment to the x86 marketplace – with a range of high-performance products such as AMD Geode™ LX processors – gives OEMs an easy and effective way to differentiate their products and shorten time-to-market cycles. The AMD Geode™ LX processor family is the next step in helping AMD redefine the way x86 processors address the growing need for versatile power and performance for a variety of consumer devices. This processor is the latest example of AMD's commitment to make x86-based technology available for a variety of applications – from high-end servers to low-power embedded applications.

AMD Geode™ LX UVC Reference Design Kit

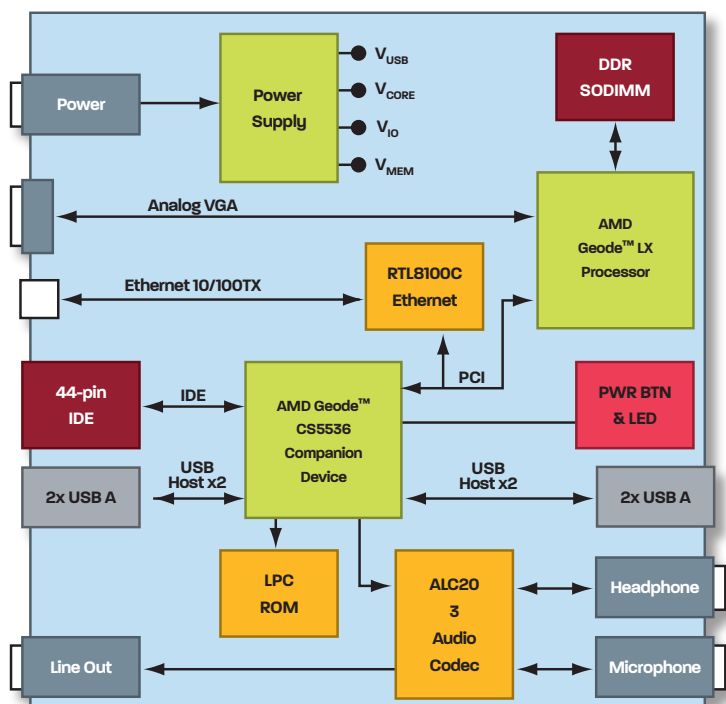
Product Features and Benefits

AMD Geode™ LX Processor and Chipset

- x86 Architecture – enables you to easily add new applications
- Low Power Consumption – provides efficient form factors and small enclosures
- High Integration – 4-layer design for lower cost
- AMD Geode LX processor – high data throughput
- Expandability – enables rapid product growth
- Complete System Design Package – gives you a ready vehicle for fast time-to-market product development

Key Product Features

- AMD Geode LX 800@0.9W processor*
 - AMD Geode LX 700@0.8W processor* is also supported
- DDR SDRAM
 - Single SODIMM
 - Configure options for 128, 256, 512, and 1024MB
- Display
 - Analog VGA Output
- Audio
 - 16-bit, 48KHz Stereo Out
 - Amplified Headphone Out
 - Stereo Line Out
 - Biased Microphone In
- 10/100 Ethernet Onboard
- 4x USB 2.0 Ports
- 44-Pin IDE
 - Supports 2.5" HDD and/or Optical Storage
 - Supports NAND or Compact Flash Storage
- LPC Boot ROM
 - Soldered down



For more information,
please visit www.amd.com/geodelxuvcrdk

*The AMD Geode LX 800@0.9W processor operates at 500MHz.
The AMD Geode LX 700@0.8W processor operates at 433MHz.
Model numbers reflect performance as described here:
<http://www.amd.com/connectivitysolutions/geodelxbenchmark>

About AMD

AMD (NYSE:AMD) designs and produces innovative microprocessors and low-power processor solutions for the computer, communications, and consumer electronics industries. AMD is dedicated to delivering standards-based, customer-focused solutions for technology users, ranging from enterprises and governments to individual consumers.

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